Dear CSE Students:

Welcome to the third newsletter of the fall 2013 semester.

**News from the Undergraduate Program:** Your graduation application is due on October 31, 2013. Do not wait until the last minute to schedule your graduation checkout appointment.

**News from the Graduate Program:** Please remember to check to the calendar of events on the CSE website for all deadlines. For those of you planning to defend or present your Major Research Area Paper this semester, please remember that I need the announcement sent to me via email two weeks prior to the defense. You can contact the front desk to reserve a room, laptop and projector. If you have any questions or concerns, please stop by my office.

Attached are announcements for the following (please note that this listing does **not** imply University or Department endorsement in any way):

- Southeast Regional Engineering Virtual Grad School Fair – October 15th
- Virginia Tech graduate statistics program
- Co-op Program at USF Career Services
- Microsoft Customer Facing Technologist position
- Part-time Software Engineer needed – USF School of Music
- Jenkins Scholars Tutors needed (for EGN 3373 and COP 4600)
- Put your IT education to work in the SAMHSA Internship Program
- Sureview Systems Technical Manager position
- Part-time and Full-time positions at Tandel Systems (Oldsmar)
- Verizon Information Session – October 9th at 6:30pm in MSC 3700
- Full-time position at Serve (St Petersburg)
- CYBER SECURITY SYSTEMS ENGINEER at ReliaQuest (Tampa)
- IT Manager for Premier Pharmacy Labs Inc (Spring Hill)
- Communication Concepts Inc. Co-op position
- Part-time work for a local travel agency (Tampa)

Regards,

Ken Christensen
Director of the Undergraduate Program (and Newsletter Editor)
Email: christen@csee.usf.edu

The archive of old newsletters can be found at http://www.csee.usf.edu/newsletter
Southeast Regional Engineering Virtual Grad School Fair

Planning to apply to Graduate School in Engineering?
You are invited to attend the Southeast Regional Engineering Virtual Grad School Fair on October 15, 2013.

The Virtual Fair will allow you to have your admissions questions answered by representatives from multiple graduate institutions during this live event.

- REGISTER NOW to attend the FREE virtual fair to learn more about Southeast Regional Engineering grad school programs.
- Save your valuable time by meeting school representatives in live chat sessions online
- Have your questions answered without ever leaving the comfort of your computer
- Only a One-Time Registration required to meet multiple schools

*Option to upload your résumé prior to the event (résumé/CV upload not required to participate)

Virtual Fair Date: October 15, 2013
Register at www.EngineerSouth.CareerEco.net

For more information:
Gayle Oliver-Plath | 770.980.0088 | EngineeringSouth@careereco.com
Use your math, stat, and computer science skills to help people, solve real-world problems, and travel around the world.

Apply now: www.stat.vt.edu

Most PhD students are fully funded and conduct exciting research in Bayesian Modeling, Big Data Analytics, Biostatistics, Design of Experiments, and more. Specialized tracks can be tailored to your interests in bioinformatics; environmetrics; computational, traditional, or industrial statistics.

Virginia Tech’s Laboratory for Interdisciplinary Statistical Analysis (LISA) educates statistics students to become interdisciplinary collaborators.

Travel around the world as an on-the-ground statistician. Help build the LISA 2020 network of stat labs in developing countries. Turn consulting projects into collaborations and co-authored publications that solve real-world problems. Use statistics to help people. Collaborate on projects that make positive impacts on people around the world.

Visit www.lisa.stat.vt.edu for more info about LISA

To learn more about applying, contact:

Dr. Jeffrey Birch, Director of Graduate Programs
Phone: 540-231-5630 | Email: jbbirch@vt.edu

Dr. Eric Vance, Director of LISA
Phone: 540-231-4597 | Email: ervance@vt.edu
Career Services Cooperative Education (Co-op) course is opening applications up for the SPRING 2014 opportunities for both undergraduate and graduate students seeking career related experience in the engineering fields! Co-op is similar to an internship in that you have an opportunity to train with an employer to gain career related experience before you graduate. Co-op is a permit-only course offered by the Career Services office that you would register for if you are successful in obtaining an offer from one of our Co-op listings and the positions are always paid! You must first meet the eligibility criteria in order to gain access to the pre-screened and pre-approved Co-op training opportunities. ARE YOU ELIGIBLE?

- Currently enrolled, full-time USF student who has completed at least 45 (we recommend 60) credit hours...6 of which must have been completed at USF
- Officially declared in your major (You cannot be in “pre” or “general engineering” status)
- In Good academic standing with USF with a minimum 2.5 GPA for undergrad and 3.0 for graduate level (graduate level students must still have non thesis coursework remaining)
- Graduating no earlier than Summer 2014

Sample of Companies that posted Co-op positions in the last few semesters: Aerosonic, AnazaoHealth, CAE USA Inc., Doosan Hydro Technology, FDOT, L-3 Communications, NexTech Systems, City of Tampa Water Dept., City of Tampa Water Lab, Seminole Electric, Sparton Electronics, TAW, TECO, Verizon (*Mosaic will be recruiting for Co-op students at the Career Fairs)

**WE will start posting spring positions October 14th! Get started now to get into the opening candidate pool!!

If you are interested please RSVP (include date you are plan to attend) to Co-op@usf.edu to attend one of the following Co-op Application workshops being held 12:00 PM – 1:00 PM in ENB 109 on the following days:

- Wednesday, September 18th
- Tuesday, September 24th
- Wednesday, October 2nd
- Thursday, October, 10th
- Wednesday, October 16th
- Tuesday, October 22nd

**International Students**: You must complete an Eligibility Clearance Form which must be taken to the International Services office to be signed for approval to participate in the Co-op Program. Bring that signed form to the meeting. If you do not have the signed form with you, you will not be eligible for Co-op. If you cannot attend one of these sessions and are still interested in Spring Co-op, please call the Career Services office at 813-974-2171 to schedule an individual Co-op application appointment.

Get started before the meeting by activating a *FREE* Career Connections account to be able to view and apply for positions. Once you have completed the Co-op application process we would grant you access to the available opportunities! If you would like to learn more about Co-op please visit our webpage.

Regards,

Diane

Diane Mellon, M.S. Ed.
Cooperative Education Coordinator & Instructor
Career Services | University of South Florida
4202 E. Fowler Ave, SVC 2088 | Tampa, FL 33620
dmellon@usf.edu | 813.974-9635
Career Services | Facebook
Customer Facing Technologist (CFT) Roles

You will be considered for all of the below positions when applying for our CFT roles. Please note that these are all Full-Time only jobs.

**Technical Account Manager (TAM)**
TAMS are trusted advisors to companies. They work closely with customers to learn and understand their technical environment, projects, goals, and support needs in order to help improve the overall health of their IT environment. They work closely with IT and business professionals on the customer side, so strong communication skills are needed. TAMs need to be able to understand IT and how IT systems work with each other. Knowledge of the IT lifecycle and experience in support/customer service would be beneficial.

**Associate Consultant (AC)**
ACs are the “jack-of-all-trades.” One week they could be coding and helping build a new application for a hospital/company, and the next they may be helping create a deployment and migration plan for a new IT system for another. They need to be very technical and be able to learn a new project/coding language quickly to help deliver value and results quickly.

**Support Engineer (SE)**
SEs have the deepest technical support role within the Services Business. As an SE you would work with customers when they or the TAM opens a support case with Microsoft. SEs work with both large and small sized customers ranging from mom and pop shops to fortune 500 companies. They work primarily over the phone, working on deep technical issues with customers. They should possess excellent customer service and communication skills and be able to handle high priority situations enabling them to resolve problems quickly.

**Technical Evangelist (TE)**
TEs evangelize Microsoft products within the development community. As a TE you will champion Microsoft products through both presentations as well as doing hands on showcasing of the opportunities our products present to developers. TEs are passionate about learning technology and excited to teach others.

**Technical Solution Professional (TSP)**
TSPs evangelize Microsoft products to businesses in a sales capacity. As a TSP you will build relationships with valued customers and partners to demonstrate how our technology can help to improve IT Environments. TSPs are customer oriented and with a strong understanding of enterprise systems.
Software Engineer Wanted

Application writer needed for developing innovative music software

Position Summary: A creative, self-motivated individual is needed for development of a database app, which will incorporate digital formats of music into a manageable, user-friendly interface.

Duties and Responsibilities: Work in a team environment with a small group of collaborators to anticipate issues and provide solutions for data storage and categorization.

Minimum Qualifications: This position requires knowledge of

- Database formats
- OCR
- C++
- Objective-C 2.0
- XCode

Preferred Qualifications: Experience in app design and implementation as well as knowledge of music terms used within a choral context.

Salary Range: Based on experience and negotiable
For additional information contact Chris Brown at 813-997-2137 or wcbrown1@mail.usf.edu.

Wm. Chris Brown
PhD Student
School of Music
University of South Florida
4202 East Fowler Ave., MUS 314
Tampa, FL 33620
Tutors Needed!

The Jenkins Scholars Program is looking for tutors for the fall 2013 semester.

This is a paid tutoring position.

Applicants MUST have an overall 3.3 GPA, taken the respective course at USF, and received an A in the course.

Applications should be submitted by following the link provided:
https://honors.usf.edu/TutorAPP.Verify.html

Courses are: EGN 3373 (Intro. to Electrical Systems) & COP 4600 (Operating Systems)

Contact Information: Katie Negron, Jenkins GA. Email: negronc@usf.edu
Put your IT education to work in the SAMHSA Internship Program

A paid internship with SAMHSA is a solid return on your education investment.

The Substance Abuse and Mental Health Administration (SAMHSA) is dedicated to building a diverse workforce that will lead the nation in implementing state-of-the-art technology that improves the delivery of health care services. The SAMHSA Internship Program is part of the agency's efforts to attract the best and brightest and is open to highly qualified college and university students with interest and experience in the following areas:

- Information technology
- Computer science
- Business administration
- Business communications
- Public health
- Public policy
- Behavioral and social sciences

The SAMHSA Internship Program is targeted to students who are women, disabled, veterans, or Asian and Pacific Islanders as well as those in Hispanic Colleges and Universities, Historic Black Colleges, Tribal Colleges and Universities, and recovery institutions.

The 15-week SAMHSA Internship Program will introduce you to the computer systems, software applications, and networks that support electronic medical records, telemedicine, and other health IT initiatives. And it will help boost your career and give you a competitive advantage. As a SAMHSA Intern, you will work 40-hours a week on meaningful projects, gaining real-life experience in areas aligned with your course of study. You also will learn about the multiple leadership opportunities that exist within SAMHSA and where, as a part of the SAMHSA workforce, your knowledge and skills would have the greatest impact.

Location: SAMHSA, the agency in the Department of Health and Human Services dedicated to the prevention and treatment of substance abuse and mental illness, is located in Rockville, MD, a Washington, DC suburb.

Internship Dates: January 13 – April 25, 2014

Eligibility: To be eligible for the internship, applicants must:

- Have proof of U.S. citizenship or a permanent resident registration card (I-151 or I-551). Individuals on temporary visas are not eligible
- Be enrolled in an accredited academic institution or a recent graduate (within one year) of a Bachelors or Graduate degree. Veterans, unable to apply within two years of receiving their degree due to military service obligation, have as much as six years after degree completion to apply.
- Have a minimum 3.0 GPA on a 4.0 scale

Graduate Student Stipend: $480 a week, paid bi-weekly

Undergraduate Student Stipend: $380 a week, paid bi-weekly

Housing and Travel: Non-local interns will be placed in shared housing. SAMHSA will reimburse non-local interns who find and pay for their own housing up to $600 per month. SAMHSA will handle travel arrangements and pay for roundtrip fares and baggage fees for non-local interns traveling from their home to their temporary housing by plane, bus, or train.

Application Deadline: November 22, 2013

For more information and to apply, please visit http://beta.samhsa.gov/about-us/jobs-internships/internships

Carl-Henry J. Fortune, MPH, MBA, MHA  
Program Director  
SAMHSA Internship Program  
DB Consulting Group, Inc.  
(301) 589-4020 ext. 4151
Position: Technical Manager

Job Description

Reporting to Project Manager and based in Tampa FL the Technical Manager is responsible for managing project progress and deadlines, assisting in all Command Center fulfillment activities including (with others) supporting pre-sales activities and helping structure the sales proposal, and (directly) the post contract installation, commissioning, training and sign off process. Post deployment the jobholder is also responsible for maintaining a high level of customer satisfaction and IT support to customers. They primary scope of the position will be to provide technical support to customers, install and commission systems technically and support the Project Manager with various pre-post sales projects.

The successful candidate will be able to demonstrate proven success working directly with customers, troubleshooting IT related issues and working with network and server systems. The ideal candidate will also have a good understanding of the software development process and complex application systems. Relevant Microsoft certifications are highly desirable as is a relevant degree and professional qualification.

Key Responsibilities:
• Work with customers to troubleshoot reported issues
• Install the software remotely on customers hardware
• Assist the Senior Support Engineer with specific pre-post sales projects

Knowledge, Skills and Abilities Required:
• Bachelor degree in computer science/engineering or business management
• Experience working in customer service
• Experience with Windows Server, SQL Server environment and VM environments
• Experience configuring and managing networks, including configuring routers, v-lans, firewalls and video hardware products.

Knowledge, Skills and Abilities Desirable:
• Relevant Microsoft and Networking Certification
• Experience with Web Service applications, C# programming, and web based cloud solutions
• Experience working with SQL and databases
• Experience working for an IT company
• A good understanding of the software development process, application systems and networking
Part-time and Full-time positions at Tandel Systems

Tandel Systems in Oldsmar, FL has some part-time and full-time intern/co-op slots available, starting now through the rest of the school year (Fall and Spring semesters). Tandel Systems is a spin-off from Honeywell (~ 11 years ago). Tandel still does a lot of work with/for Honeywell. They have had very good success with USF interns.

Disciplines/Skills of Particular Interest:

- Electrical Engineering, Computer Engineering, Computer Science
- HW more that SW
- EEs with some SW experience
  - A little background in circuit drawing, board layout, chip layout would be a plus
  - Embedded programming experience would be a plus
- Types of assignments:
  - Electrical design drawings
  - Mechanical design drawings
  - Parts selection
  - Test procedures
  - Assembly support
  - PCB layout

Tandel is also looking for full-time employees. The disciplines/skills being sought are the same as the for the intern/co-op positions except full-time hires would be expected to be able to take on small projects on their own.

For more information, contact Dr. Minesh Patel at Tandel, MPatel@TandelSystems.com.
Verizon Information Session

At Verizon, we believe in the power of technology to solve just about anything. That's why we gather some of the sharpest minds and put them to work on the toughest challenges. From wireless networking to fiber optics to cloud computing, Verizon has the most advanced tools. More than that, our innovators believe so much in the power of technology, they refuse to accept it can't solve everything. So we meet every challenge with tireless determination. And it starts with one question: "What do we want to build next?"

Please join Verizon for an interactive trivia-filled info session showcasing how we’re using technology to solve the world’s biggest challenges. You could be one of 3 winners with Prizes including a Samsung Galaxy Note 10.1 tablet, Jawbone Jambox and $100 Verizon Wireless Gift Card! You’ll also have a chance to network with our leadership team and learn about how you can launch your career alongside the sharpest minds in the industry.

Verizon Information Session

University of South Florida

October 9, 2013

6:30 p.m.-8:30 p.m.

MSC – Room 3700

www.verizon.com/campus
The below position recently opened here at Serve in St.Pete for a performance tester in QA. Applicants should email their resumes directly to Hamsa (Hamsa.Subramanian@aexp.com).

**Title:** QA Analyst

**Schedule:** Full Time

**Job Description:**
Serve Enterprise is a wholly-owned subsidiary of American Express. Serve Enterprise provides cutting edge technological services in alternative payments in an innovative payment processing platform, payment card network, and new consumer payment solutions to the Enterprise Growth division of American Express. Serve is growing extremely fast and maintains a start-up agile atmosphere.

QA Analyst is part of the team that is responsible for performance and quality assurance of software applications. Candidate will be a self-starter who will grow the scope of the roll over time. Will work with architects and products and project stakeholders on strategies and road-map for platform performance through performance engineering throughout the product life-cycle. Collaborate closely with technical leaders, application developers, systems engineers to ensure performance issues are addressed and remediated in a timely manner. Candidate must be responsible for creating test plans, test cases and conducts various types of tests to measure the performance. Applies rigorous statistical analysis to measurements and pin-point performance issues back to the code, configuration settings, and infrastructure components. Excellent communication skills and ability to coordinate testing effort across multiple teams are the key requirements.

**Job Responsibilities (Essential Functions):**
- Hands on coding experience in any Object Oriented Programming language.
- Good understanding of software development process.
- Ability to identify Non-Functional requirements.
- Very passionate about problem solving, performance tuning, scalability.
- Highly curious to learn cutting-edge technologies and other testing techniques and methodologies.
- Well versed in testing and quality assurance.
- Good understanding of OLTP database and data infrastructures.
- General knowledge about connection pooling, caching, multi-threading, garbage collection and tuning
- Willing to work in a team environment and communicate effectively with peers and superiors by both leading and following depending on need.
- Ability to move between tasks and multi-tasking capability.
- Work under pressure, uncertain schedules and uncertainty and to achieve results with minimal supervision or direction.
- Very detail oriented and makes recommendations to minimize risks related to functional, integration and performance bottlenecks and visualize problems.
- Familiar with performance engineering process and practices.

**Required Skills/Qualifications:** .NET Framework, ASP.NET, MVC, C#, WCF, Oracle PL/SQL, Unit Testing, Load Testing

**Education Requirement:** Bachelor Degree or advanced degree in computer science related study is preferred.
CYBER SECURITY SYSTEMS ENGINEER

ABOUT THE COMPANY:
Headquartered in Tampa, FL, ReliaQuest, LLC is a Cyber Security and Communications Technology Professional Services and Engineering Integration firm. We focus first on services and second on customized cyber security solutions. ReliaQuest has strategic partnerships in place to deliver cyber security solutions both OCONUS and CONUS (International and Domestic). We are recognized as one of Tampa, FL's Best Places To Work and the in the Top 10 of the Fastest 50 Growing Companies in the greater Tampa, FL area in 2012.

ReliaQuest hires recent college graduates to join our sales team and engineering services team (MIS, CIS, etc.). New team members will go through extensive training by industry leading professionals. Start your career and join our growing winning team.

ABOUT THE OPPORTUNITY:
ReliaQuest is currently seeking an onsite full time employee to begin immediately in a client facing, Cyber Security Engineering role. The position will require stepping into unique, complex, enterprise environments to deliver strategic cyber security solutions to internal and external customers (commercial and federal projects across the U.S. with Fortune 1000 and various government agencies/organizations).

ADDITIONAL RESPONSIBILITIES INCLUDE:
- Provide technical detail and guidance in best practices of security solutions/applications
- Travel to client sites
- Identify and eliminate viruses, malware, and any other potentially unwanted programs
- Test the effectiveness of security controls and procedures in order to identify areas of improvement
- This individual will have the opportunity to become trained and certified on specific security technologies such as SIEM Tools to not only become a technical expert but will also have the opportunity to present these unique technologies to internal and external customers
- Will actively participate in researching trends and current countermeasures for cyber security vulnerabilities, exploits, and other malicious activity.
- Provide internal support for day to day IT operations.

TECHNICAL REQUIREMENTS:
- Bachelor Degree in a Computer Science related field
- Eligible for a Department of Defense (DOD) Security Clearance (Clean Background and US Citizen)
- Strong analytical, documentation, and communication skills
- Experience with Networking, IT Security, multiple operating systems, Command line interface, including batch and shell scripting
- Understanding of Firewall, IDS & IPS Technologies

Katie Hoffman
Sr. Associate
ReliaQuest, LLC

Toll Free: (800) 925-2159
Direct: (813) 321-1355
Cell: (813) 323-1836
Fax: (813) 319-3460

5100 W Kennedy Blvd
Suite 430
Tampa, FL 33609
Visit our Blog
www.reliaquest.com
IT Manager for Premier Pharmacy Labs Inc

IT Manager

IT Manager for fast growing Pharmacy business, great work environment with competitive salary and benefits. Work with a motivated friendly staff on projects where you are the lead. Projects to include software and systems integration, web-site development, e-commerce and social networking. This a new position and will require a self-starter able to design and execute a development plan in a timely fashion. Each candidate must have 4 year degree or equivalent work experience.

Please send resume to: vet528@tampabay.rr.com or call for more details.

Thanks,

Vern Allen

President
Co-Op Engineer

Communication Concepts Inc. is a Systems Integrators, specializing in Video Security Systems based on various LAN/WAN transport technologies. We provide design, configuration, installation, maintenance, and monitoring services for our customers. The R&D Team (Odessa, FL) is seeking Co-Op Engineers. Responsibilities are varied and include: firmware and software product maintenance and enhancements, field travel to perform site surveys, equipment installation/commissioning, 2nd tier customer support, product demonstration, sales support when needed, and interacting with customers.

Technical/Professional Knowledge/Skills

The successful candidate must have:
• Ability to read and understand electrical schematics and wiring diagrams
• Ability to conduct research and prepare reports
• Comfortable with statistical analysis and energy optimization algorithms
• Construction background would be helpful
• Relevant hands on electrical installation experience a plus
• Good communication skills; both written and verbal.
• Comfortable with meeting demanding deadlines
• Effective interpersonal skills, organization/prioritization and administrative skills
• Good working knowledge of electronics and electro-mechanical devices
• Software experience including: C/C++, JavaScript, JAVA, MS SQL Server, Active Server Pages, M2M data communications and an ability to work with gadgets a plus
• Maintain a thorough understanding of the basics behind the Internet and its workings (DNS, Security, IP Routing, HTTP, VPN, Email Routing, SPAM, etc.)

Motivational Fit

The successful candidate will have the following attributes:
• Plans and organizes well
• Assertive
• Creative problem solver
• Initiates action
• Flexible and adaptable
• Team oriented
• Highly motivated
• Integrity

Education

• Bachelors degree in Computer Science or Electrical Engineering discipline

Send Resume to: Vahid Vaisi at Vvaisi@comconcepts.com
Part-time work for a local travel agency

Local travel agency searching for student with experience in SEO, link building, and listing items on eBay. 10-20 hrs/wk. steady work.

All Travel & Cruise Center, Inc.
5614 N. River Shore Dr.
Tampa, Fl 33603
1-813-600-0807